

Product datasheet for **RC215174**

GPR35 (NM_005301) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GPR35 (NM_005301) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | GPR35 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC215174 representing NM_005301 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGCACCTACAACACCTGTGGCTCCAGCGACCTCACCTGGCCCCAGCGATCAAGCTGGGCTTCT
ACGCCTACTTGGGCGTCTGCTGGTGCTAGGCCTGCTGCTCAACAGCCTGGCGCTCTGGGTGTTCTGCTG
CCGCATGCAGCAGTGGACGGAGACCCGCATCTACATGACCAACCTGGCGGTGGCCGACCTCTGCCTGCTG
TGCACCTTGCCCTTCGTGCTGCACTCCCTGCGAGACACCTCAGACACGCCGCTGTGCCAGCTCTCCAGG
GCATCTACCTGACCAACAGGTACATGAGCATCAGCCTGGTCACGGCCATCGCCGTGGACCGCTATGTGGC
CGTGCGGCACCCGCTGCGTGCCCGGGGCTGCGGTCCCCAGGCAGGCTGCGGCCGTGTGCGCGGTCTC
TGGGTGCTGGTCACTCGGCTCCCTGGTGGCTCGCTGGCTCCTGGGATTACAGGAGGGCGGCTTCTGCTTCA
GGAGCACCCGGCACAATTTCAACTCCATGGCGTTCCTGCTGGGATTCTACCTGCCCTGGCCGTGGT
GGTCTTCTGCTCCCTGAAGGTGGTACTGCCCTGGCCAGAGGCCACCCACCGACGTGGGGCAGGCAGAG
GCCACCCGCAAGGCTGCCCGCATGGTCTGGCCAACTCCTGGTGTTCGTGGTCTGCTTCTGCCCTGC
ACGTGGGGCTGACAGTGCCTCGCAGTGGGCTGGAACGCCTGTGCCCTCCTGGAGACGATCCGTGCGGC
CCTGTACATAACCAGCAAGCTCTCAGATGCCAACTGCTGCCTGGACGCCATCTGCTACTACTACATGGCC
AAGGAGTTCAGGAGGCTGTGCACTGGCCGTGGCTCCAGTGCTAAGGCCACAAAAGCCAGGACTCTC
TGTGCGTGACCCTCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215174 representing NM_005301
Red=Cloning site Green=Tags(s)

MNGTYNTCGSSDLTWPPAIKLGFYAYLGVLLVLGLLLNSLALWVFCCRMQQWTETRIYMTNLAVADLCLL
 CTLPFVLHSLRDTSDTPLCQLSQGIYL TNRYMSISLVTAIAVDYVAVRHPLRARGLRSPRQAAAVCAVL
 WVLVIGSLVARWLLGIQEGGFCFRSTRHNFNSMAFPLLGFYPLAVVVFCSLKVVVTAQAQRPTDVGQAE
 ATRKAARMVWANLLVFVVCFLPLHVGLTVRLAVGWNACALLETIRRALYITSKLSDANCCDAICYYYMA
 KEFQEASALAVAPSAKAHKSQDSLVCVTLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6109_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005301

ORF Size: 927 bp

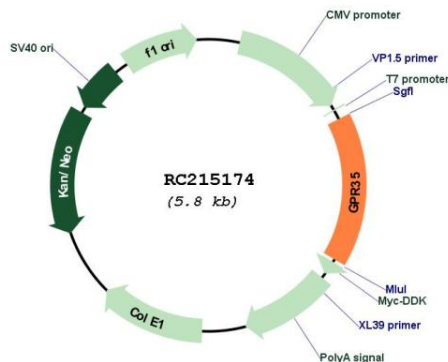
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

| | |
|-------------------------------|---|
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | NM_005301.3 |
| RefSeq Size: | 1875 bp |
| RefSeq ORF: | 930 bp |
| Locus ID: | 2859 |
| UniProt ID: | Q9HC97 |
| Cytogenetics: | 2q37.3 |
| Domains: | 7tm_1 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Neuroactive ligand-receptor interaction |
| MW: | 33.9 kDa |
| Gene Summary: | Acts as a receptor for kynurenic acid, an intermediate in the tryptophan metabolic pathway. The activity of this receptor is mediated by G-proteins that elicit calcium mobilization and inositol phosphate production through G(qi/o) proteins.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RC215174